

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete If Known

Application Number	10/687,519
Filing Date	10/16/2003
First Named Inventor	Truskell et al.
Art Unit	1775
Examiner Name	Turner, Archene A.
Attorney Docket Number	P75-17-03

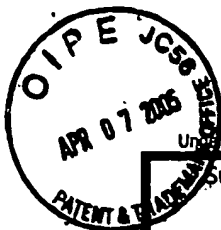
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Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

APPLICATION NUMBER	10/687,519
FILING DATE	10/16/2003
FIRST NAMED INVENTOR	Truskett et al.
Group Art Unit	1775
Examiner Name	Turner, Archene A.
Attorney Docket Number	P75-17-03

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cita No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office 2	Number ³	Kind Code ⁵ (if known)				
	E1		6,391,217	B2	Schaffer et al.	5/21/2002		
	E2		6,517,977	B2	Resnick et al.	2/11/2003		
	E3		2004/0007799	A1	Choi et al.	1/15/2004		
	E4		2004/0021254	A1	Sreenivasan et al.	2/5/2004		
	E5		2004/0021866	A1	Watts et al.	2/5/2004		
	E6		2004/0022888	A1	Sreenivasan et al.	2/5/2004		
	E7		2004/0065252	A1	Sreenivasan et al.	4/8/2004		
	E8		2002/0177319	A1	Chou	11/28/2002		
	E9		2004/0046271	A1	Watts	3/11/2004		
	E10		6,518,189	B1	Chou	2/11/2003		
	E11		2004/0192041	A1	Jeong et al.	9/30/2004		
	E12		6,828,244	B2	Chou	12/7/2004		
	E13		6,809,356	B2	Chou	10/26/2004		
	E14		2004/0197843	A1	Chou et al.	10/7/2004		
	E15		2004/0156108	A1	Chou et al.	8/12/2004		
	E16		2004/0137734	A1	Chou et al.	7/15/2004		
	E17		2004/0131718	A1	Chou et al.	7/8/2004		
	E18		2004/0118809	A1	Chou et al.	6/24/2004		

Examiner
SignatureDate
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
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		Office 3	Number ⁴ (if known)			
	E19	2004/0046288	A1	Chou	3/11/2004	
	E20	2003/0080472	A1	Chou	5/1/2003	
	E21	2003/0034329	A1	Chou	2/20/2003	
	E22	2002/0042027	A1	Chou et al.	4/11/2002	
	E23	5,594,042		Glover et al.	1/14/1997	
	E24	5,629,095		Bujanowski et al.	5/13/1997	
	E25	5,861,467		Bujanowski et al.	1/19/1999	
	E26	5,331,020		Brown et al.	7/19/1994	
	E27	4,617,238		Crivello et al.	10/14/1986	
	E28	6,580,172	B2	Mancini et al.	6/17/2003	
	E29	4,722,878		Watakabe et al.	2/2/1988	
	E30	2002/0175298	A1	Moniwa et al.	11/28/2002	
	E31	10/670,980		Sreenivasan et al.	9/25/2003	
	E32	10/706,537		Sreenivasan et al.	11/12/2003	
	E33	10/833,240		Watts et al.	4/27/2004	
	E34	10/895,214		Voison	7/20/2004	
	E35	11/027,473		Bailey et al.	12/30/2004	
	E36	10/917,761		McMackin et al.	8/13/2004	

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		Office	Number ³	Kind Code ⁴ (if known)				

	E37	10/948,511		Xu et al.	9/23/2004	
	E38	10/967,740		Xu et al.	10/18/2004	
	E39	10/919,224		Xu et al.	8/16/2004	
	E40	11/051,941		McMackin et al.	2/4/2005	
	E41	11/026,821		Willson et al.	12/30/2004	
	E42	4,512,848		Deckman et al.	4/23/1985	
	E43	2001/0044075	A1	Nishimura et al.	11/22/2001	
	E44	6,517,995	B1	Jacobenson et al.	2/11/2003	
	E45	5,369,722		Heming et al.	11/29/1994	
	E46	6,475,704	B1	Iwasaki et al.	11/5/2002	
	E47	2004/0110856	A1	Young et al.	6/10/2004	
	E48	6,716,754	B2	Hofmann et al.	4/6/2004	
	E49	2002/0135099	A1	Robinson et al.	9/26/2002	
	E50	11/062,420		Willson et al.	2/22/2005	
	E51	11/068,397		Xu et al.	2/28/2005	
	E52	11/068,174		Xu et al.	2/28/2005	
	E53	5,028,366		Harakal et al.	7/2/1991	
	E54	5,601,641		Stephens	2/11/1997	

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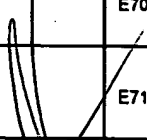
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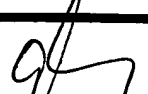
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				FIRST NAMED INVENTOR	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Attorney Docket Number	P75-17-03				
Sheet	6	of	7		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	E63	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	E64	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996	
	E65	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	E66	Resnick et al., High Resolution Templates for Step and Flash Imprint Lithography, Journal of Microlithography, Microfabrication, and Microsystems. Vol 1. No. 3., 10/1/2002	
	E67	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	E68	Yu et al., Properties of Fluorinated Amorphous Diamond Like Carbon Films by PECVD, Applied Surface Science 219 (3-4); pp. 228-237, 12/1/2003	
	E69	Compon et al., Electroanalysis at Diamond-Like and Doped-Diamond Electrodes, Electroanalysis 15(17); pp. 1349-1363, 9/1/2003	
	E70	Mansano et al., Protective Carbon Layer for Chemical Corrosion of Stainless Steel, Diamond and Related Materials 12 (3-7); pp. 749-752, 3/1/2003	
	E71	Butter et al., Production and Wetting Properties of Fluorinated Diamond-Like Carbon Coatings, Thin Solid Films, 311(1-2); pp. 107-113, 12/31/1997	

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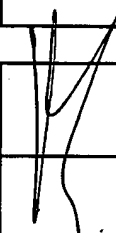
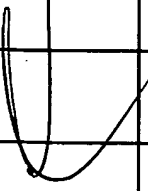
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				FIRST NAMED INVENTOR	Truskett et al.
				Group Art Unit	1775
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Sheet <u>7</u> of <u>7</u>				Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	E72	Hakovirta et al., Heat Resistance of Fluorinated Diamond-Like Carbon Films, Diamond and Related Materials 10(8); pp. 1486-1490, 8/1/2001	
	E73	Zhu et al., The Improvement of the Oxidation Resistance of TiAl Alloys by Fluorine Plasma-Based Ion Implantation, Surface and Coatings Technology 158; pp. 502-507, 9/1/2002	
	E74	Yao et al., Structural, Mechanical and Hydrophobic Properties of Fluorine-Doped Diamond-Like Carbon Films Synthesized by Plasma Immersion Ion Implantation and Deposition (PIII-D), Applied Surface Science 230; pp. 172-178, 4/17/2004	
	E75	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	E76	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	E77	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

LOW SURFACE ENERGY TEMPLATES

Application Number: 10/687519 *10/687519*

Confirmation Number: 5222

First Named Applicant: Van Truskett

Attorney Docket Number: P75-17-03

Art Unit: 1775

Examiner: Archene Turner

Search string: (6696157).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6696157	2004-02-24	David et al.			

Signature

Examiner Name

Date

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

**Title of
Invention**

LOW SURFACE ENERGY TEMPLATES

Application Number : 10/687519
Confirmation Number: 5222
First Named Applicant: Van Truskett
Attorney Docket Number: P75-17-03
Art Unit: 1775
Examiner: Archene Turner
Search string: (6696157).pn



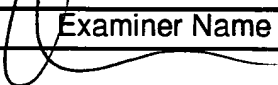
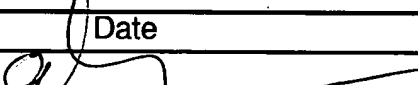
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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6696157	2004-02-24	David et al.			

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1

of

3

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Group Art Unit

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[illegible]

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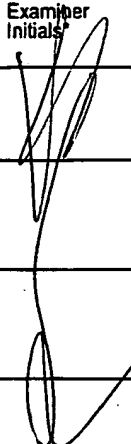
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Substitute for form 1449B/PTO		Complete if Known	
		Application Number	10/687,519
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	10/16/2003
		First Named Inventor	Truskett et al.
		Group Art Unit	1775
		Examiner Name	Turner, Archene A.
Sheet	3	of	3
		Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C6	Parikh et al., "An Intrinsic Relationship between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature," Journal of Phys. Chem., pp7577-7590, 1994.	
	C7	Sagiv, J., "Organized Monolayers by Adsorption. 1. Formation and Structure of Oleophobic Mixed Monolayers and Solid Surfaces," Journal of the American Chemical Society, vol. 102, pp. 92-98, January 2, 1980.	
	C8	Srinivasan et al., "Alkyltrichlorosilane-Based Self-Assembled Monolayer Films for Stiction Reduction in Silicon Micromachines," Journal of Microelectromechanical Systems, Vol. 7, No. 2, p. 252-260, June 1, 1998.	

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Sheet 1 of 16

Complete if Known

Application Number	10/687,519
Filing Date	10/16/2003
First Named Inventor	Truskett et al.
Group Art Unit	1775
Examiner Name	Turner, Archene A.
Attorney Docket Number	P75-17-03

U.S. PATENT DOCUMENTS

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		Number	Kind Code* (# known)			
	D1	3,527,062		Bilinski et al.	09-08-1970	
	D2	3,783,520		King	01-08-1974	
	D3	3,807,027		Heisler	04-30-1974	
	D4	3,807,029		Troeger	04-30-1974	
	D5	3,811,665		Seelig	05-21-1974	
	D6	4,062,600		Wyse	12-13-1977	
	D7	4,070,116		Frosch et al.	01-24-1978	
	D8	4,098,001		Watson	07-04-1978	
	D9	4,119,688		Hiraoka	10-10-1978	
	D10	4,119,688		Hiraoka	10-10-1978	
	D11	4,155,169		Drake et al.	05-22-1979	
	D12	4,201,800		Alcom et al.	05-06-1980	
	D13	4,202,107		Watson	05-13-1980	
	D14	4,267,212		Sakawaki	05-12-1981	
	D15	4,326,805		Feldman et al.	04-27-1982	
	D16	4,337,579		De Fazio	07-06-1982	
	D17	4,355,469		Nevins et al.	10-26-1982	
	D18	4,414,750		De Fazio	11-15-1983	
	D19	4,426,247		Toshiakai et al.	01-17-1984	
	D20	4,440,804		Milgram	04-03-1984	
	D21	4,451,507		Beltz et al.	05-29-1994	
	D22	4,507,331		Hiraoka	03-02-1985	
	D23	4,552,832		Blume et al.	11-12-1985	
	D22	4,552,833		Ito et al.	11-12-1985	
	D25	4,600,309		Fay	07-15-1986	
	D26	4,610,442		Oku et al.	09-09-1986	
	D27	4,657,845		Frechet et al.	04-04-1987	
	D28	4,692,205		Sachdev et al.	09-08-1987	
	D29	4,694,703		Routson	09-22-1987	
	D30	4,707,218		Giammarco et al.	11-17-1987	
	D31	4,724,222		Feldman	02-09-1988	
	D32	4,737,425		LIN et al.	04-12-1988	
	D33	4,763,866		Takei	08-16-1988	
	D34	4,808,511		Holmes	02-28-1989	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	2	of	16	Attorney Docket Number	P75-17-03

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	D35	4,826,943		Ito et al.	05-02-1989	
	D36	4,846,931		Gmitter et al.	07-11-1989	
	D37	4,848,911		Uchida et al.	07-18-1989	
	D38	4,857,477		Kanamori	08-15-1989	
	D39	4,883,561		Gmitter et al.	11-28-1989	
	D40	4,891,303		Garza et al.	01-02-1990	
	D41	4,908,298		Hefferon et al.	03-13-1990	
	D42	4,919,748		Bredbenner et al.	04-24-1990	
	D43	4,921,778		Thackeray et al.	05-01-1990	
	D44	4,929,083		Brunner	05-29-1990	
	D45	4,931,351		McColgin et al.	06-05-1990	
	D46	4,964,945		Calhoun	10-23-1990	
	D47	4,976,818		Hashimoto et al.	12-11-1990	
	D48	4,980,316		Huebner	12-25-1990	
	D49	4,999,280		Hiraoka	03-12-1990	
	D50	5,053,318		Gulla et al.	10-01-1991	
	D51	5,063,321		Carter	11-05-1991	
	D52	5,071,694		Uekita et al.	12-10-1991	
	D53	5,072,126		Proglor	12-10-1991	
	D54	5,073,230		Maracas et al.	12-17-1991	
	D55	5,074,667		Miyatake	12-24-1991	
	D56	5,108,875		Thackeray et al.	04-28-1992	
	D57	5,110,514		Soane	05-05-1992	
	D58	5,126,006		Cronin et al.	06-30-1992	
	D59	5,148,036		Matsugu et al.	09-15-1992	
	D60	5,148,037		Suda et al.	09-15-1992	
	D61	5,151,754		Ishibashi et al.	09-29-1992	
	D62	5,169,494		Hashimoto et al.	12-08-1992	
D63	5,173,393		Sezi et al.	12-22-1992		
D64	5,179,863		Uchida et al.	01-19-1993		
D65	5,198,326		Hashimoto et al.	03-30-1993		
D66	5,204,739		Domenicali	04-20-1993		
D67	5,212,147		Sheats	05-18-1993		
D68	5,234,793		Sebald et al.	08-10-1993		
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				Application Number	10/687,519
Sheet		3	of	16	
		Filing Date	10/16/2003		
		First Named Inventor	Truskett et al.		
		Group Art Unit	1775		
		Examiner Name	Turner, Archene A.		
		Attorney Docket Number	P75-17-03		

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		Number	Kind Code ² (if known)			
	D69	5,240,550		Boehnke et al.	08-31-1993	
	D70	5,240,878		Fizsimmons et al.	08-31-1993	
	D71	5,242,711		DeNatale et al.	09-07-1993	
	D72	5,244,818		Jokerst et al.	09-14-1993	
	D73	5,270,984	A	Mine	12-14-1993	
	D74	5,277,749		Griffith et al.	01-11-1994	
	D75	5,314,772		Kozicki et al.	05-24-1994	
	D76	5,318,870		Hartney	06-07-1994	
	D77	5,324,683		Fitch et al.	06-28-1994	
	D78	5,328,810		Lowrey et al.	07-12-1994	
D79	5,330,881		Sidman et al.	07-19-1994		
D80	5,348,616		Hartman et al.	09-20-1994		
D81	5,362,606		Hartney et al.	11-08-1994		
D82	5,366,851		Novembre	11-22-1994		
D83	5,374,454		Bickford et al.	12-20-1994		
D84	5,376,810		Hoenk et al.	12-27-1994		
D85	5,380,474		Rye et al.	01-10-1995		
D86	5,392,123		Marcus et al.	02-21-1995		
D87	5,417,802		Obeng	05-23-1995		
D88	5,421,981		Leader et al.	06-06-1995		
D89	5,422,295		Choi et al.	06-06-1995		
D90	5,424,549		Feldman	06-13-1995		
D91	5,425,964		Southwell et al.	06-20-1995		
D92	5,431,777		Austin et al.	07-11-1995		
D93	5,439,766		Day et al.	08-08-1995		
D94	5,452,090		Progler et al.	09-19-1995		
D95	5,453,157		Jeng	09-26-1995		
D96	5,458,520		DeMercutio et al.	10-17-1995		
D97	5,468,542		Crouch	11-21-1995		
D98	5,515,167		Ledger et al.	05-07-1996		
D99	5,527,662		Hashimoto et al.	06-18-1996		
D100	5,545,367		Bae et al.	08-13-1996		
D101	5,566,584		Briganti	10-22-1996		
D102	5,633,505		Chung et al.	05-27-1997		
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		Number	Kind Code ² (if known)			
	D103	5,654,238		Cronin et al.	08-05-1997	
	D104	5,669,303		Maracas et al.	09-23-1997	
	D105	5,670,415		Rust	09-23-1997	
	D106	5,700,626		Lee et al.	12-23-1997	
	D107	5,723,176		Keyworth et al.	03-03-1998	
	D108	5,724,145		Kondo et al.	03-03-1998	
	D109	5,736,424		Prybyla et al.	04-07-1998	
	D110	5,743,998		Park	04-28-1998	
	D111	5,747,102		Smith et al.	05-05-1998	
	D112	5,753,014		Van Rijn	05-19-1998	
	D113	5,760,500		Kondo et al.	06-02-1998	
	D114	5,779,799		Davis	07-14-1998	
	D115	5,802,914		Fassler et al.	09-08-1998	
	D116	5,855,686		Rust	01-05-1999	
	D117	5,877,036		Kawai	03-02-1999	
	D118	5,877,861		Ausschnitt et al.	03-02-1999	
D119	5,888,650		Calhoun et al.	03-30-1999		
D120	5,895,263		Carter et al.	04-20-1999		
D121	5,907,782		Wu	05-25-1999		
D122	5,912,049		Shirley	06-15-1999		
D123	5,926,690		Toprac et al.	07-20-1999		
D124	5,942,871		Lee	08-24-1999		
D125	5,948,219		Rohner	09-07-1999		
D126	5,948,570		Komblit et al.	09-07-1999		
D127	5,952,127		Yamanaka	09-14-1999		
D128	6,033,977		Gutsche et al.	03-07-2000		
D129	6,035,805		Rust	03-14-2000		
D130	6,038,280		Rossiger et al.	03-14-2000		
D131	6,046,056		Parce et al.	04-04-2000		
D132	6,051,345		Huang	04-18-2000		
D133	6,074,827		Nelson et al.	06-13-2000		
D134	6,091,485		Li et al.	07-18-2000		
D135	6,096,655		Lee et al.	08-01-2000		
D136	6,125,183		Jiawook et al.	09-26-2000		
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	D137	6,150,231		Muller et al.	11-21-2000	
	D138	6,150,680		Eastman et al.	11-21-2000	
	D139	6,188,150	B1	Spence	02-13-2001	
	D140	6,204,922	B1	Chalmers	03-20-2001	
	D141	6,245,581	B1	Bonser et al.	06-12-2001	
	D142	6,274,294	B1	Hines	08-14-2001	
	D143	6,326,627	B1	Putvinski et al.	12-04-2001	
	D144	6,329,256	B1	Ibok	12-11-2001	
	D145	6,387,783		Furukawa et al.	05-14-2002	
	D146	6,388,253	B1	Su	05-14-2002	
	D147	6,391,798	B1	DeFelice et al.	05-21-2002	
	D148	6,411,010	B1	Suzuki et al.	06-25-2002	
	D149	6,455,411	B1	Jiang et al.	09-24-2002	
	D150	6,467,761	B1	Amatucci et al.	10-22-2002	
	D151	6,482,742	B1	Chou	11-19-2002	
	D152	6,489,068	B1	Kye	12-03-2002	
	D153	6,514,672	B2	Young et al.	02-04-2003	
D154	6,534,418	B1	Plat et al.	03-18-2003		
D155	6,541,360	B1	Plat et al.	04-01-2003		
D156	6,561,706		Singh et al.	05-13-2003		
D157	6,565,928	B2	Sakamoto et al.	05-20-2003		
D158	6,632,742	B2	Yang et al.	10-14-2003		
D159	6,635,581	B2	Wong	10-21-2003		
D160	6,646,662	B1	Nebashi et al.	11-11-2003		
D161	6,677,252	B2	Marsh	01-13-2004		
D162	6,696,220	B2	Bailey et al.	02-24-2004		
D163	6,703,190	B2	Elian	03-09-2004		
D164	6,713,238	B1	Chou et al.	03-30-2004		
D165	6,716,767	B2	Shih et al.	04-06-2004		
D166	6,719,915	B2	Willson et al.	04-13-2004		
D167	6,730,256	B1	Bloomstein et al.	05-04-2004		
D168	6,737,202	B2	Gehoski et al.	05-18-2004		
D169	6,743,713	B2	Mukherjee-Roy et al.	06-01-2004		
D170	6,767,983	B1	Fujiyama et al.	07-27-2004		
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	6	of	16	Attorney Docket Number	P75-17-03

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
W	D171	6,770,852	B1	Steger	08-03-2004	
	D172	6,776,094	B1	Whitesides et al.	08-17-2004	
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of

16

Application Number

10/687,519

Filing Date

10/16/2003

First Named Inventor

Truskett et al.

Group Art Unit

1775

Examiner Name

Turner, Archene A.

Attorney Docket Number

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Complete if Known**Application Number**

10/687,519

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First Named Inventor

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Group Art Unit

1775

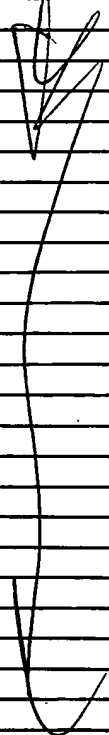
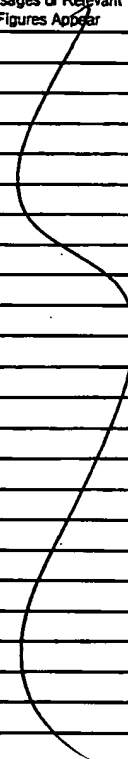
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FOREIGN PATENT DOCUMENTS

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		Office ²	Number ⁴	Kind Code ³ (if known)				
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	D221	JP	02-24848		Kamio	01-26-1990		
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**Examiner
Signature**

Date
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/687,519
		Filing Date	10/16/2003
		First Named Inventor	Truskett et al.
		Group Art Unit	1775
		Examiner Name	Turner, Archene A.
Sheet	9	of	16
		Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
[Signature]	D239	Abstract of Japanese Patent 02-24848, January 26, 1990	
	D240	Abstract of Japanese Patent 02-92603, August 12, 2004	
	D241	Abstract of Japanese Patent 55-88332, April 14, 2004	
	D242	Abstract of Japanese Patent 57-7931, April 14, 2004	
	D243	Abstract of Japanese Patent 63-138730, April 14, 2004	
	D244	ANANTHASURESH et al., "Strategies for Systematic Synthesis of Compliant Membranes," DSC-Vol. 55-2, Dynamic Systems and Control: Volume 2, pp. 677 - 686, November 1, 1994.	
	D245	ARAI et al., "Calibration and Basic Motion of Micro Hand Module," IEEE, January 1, 1993, pp. 1660-1665.	
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	D249	CHERALA et al., "Applying Imprinting Material to Substrates Employing Electromagnetic Fields," U.S. Patent Application 10/687,562, Filed with USPTO Oct. 16, 2003	NOT PUBLIC

Examiner Signature	[Signature]	Date Considered	[Signature]
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	10	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D250	Sreenivasan et al., "A Conforming Template for Patterning Liquids Disposed on Substrates." U.S. Patent Application 10/614,716. Filed with USPTO on July 7, 2003.	
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Examiner Signature		Date Considered	
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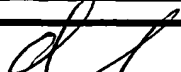
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			Application Number	10/687,519	
			Filing Date	10/16/2003	
			First Named Inventor	Truskett et al.	
			Group Art Unit	1775	
			Examiner Name	Turner, Archene A.	
Sheet	11	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Examiner Signature	Date Considered		

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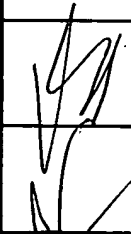
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			First Named Inventor	Truskett et al.	
			Group Art Unit	1775	
			Examiner Name	Turner, Archene A.	
Sheet	12	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
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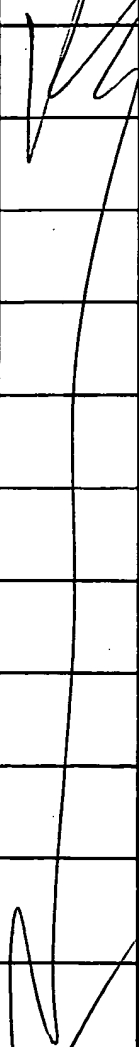
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			Group Art Unit	1775	
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			Attorney Docket Number	P75-17-03	
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	D286	OHYA et al., "Development of 3-DOF Finger Module for Micro Manipulation.", Proc. of IEEE, March 1, 1999, Intl. Conf. on Intelligent Robots and Systems, pp. 894-899.	
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	D288	PAPIRER et al., "Abstract of The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography.", Journal of Colloid and Interface Science 159, August 1, 1993, pp. 238-242.	
	D289	PAROS et al., "How to design Flexure Hinges.", Machine Design, November 25, 1965, pp 151-156.	
	D290	PENG et al., "Compliant Motion Control of Kinematically Redundant Manipulators.", IEEE Transactions on Robotics and Automation, December 1, 1993, Vol. 9, No. 6, pp.831-837.	
	D291	PERNETTE et al., "Design of Parallel Robots in Microbotics.", Robotica, January 1, 1997, Vol. 15, pp 417-420.	
	D292	PHYSIK INSTRUMENTS, PI Online-Catalog, 1999, from www.physikinstrument.com	
	D293	PHYSIK INSTRUMENTS, Product Catalog for Micropositioning, 1997	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	14	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
W	D294	RAIBERT et al., "Hybrid Position/Force Control of Manipulators.", Journal of Dynamic Systems, Measurement, and Control, June 1, 1981, Vol. 102, pp. 126 - 133.	
	D295	RONG et al., "Design and Analysis of Flexure-Hinge Mechanism Used in Micro-Positioning Stages.", ASME, January 1, 1994, Vol. 2, pp. 979-985.	
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N	D299	SLOCUM, "Precision Machine Design: Macromachine Design Philosophy and Its Applicability to the Design of Micromachines.", Micro Electro Mechanical Systems, February 4, 1992.	
	D300	SOWAH, Diamond Used to Break the Mould [online], Sept. 18, 2002, [Retrieved on Sept. 2, 2003.] Retrieved from the Internet: <URL: http://eetuk.com/showArticle.jhtml?articleID=19203691 >.	
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W	D302	STEWART, "A Platform With Six Degrees of Freedom.", Proc Instn Mech Engrs, May 28, 1965, Vol 180, Pt1, No. 15, pp. 371-378.	
	D303	STIX, "Getting More from Moores", Scientific American	
W	D304	SONG et al., "Abstract of Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication", Elsevier Science B.V., July 1, 2003, Vol. 255, no. 1	

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			Application Number	10/687,519	
			Filing Date	10/16/2003	
			First Named Inventor	Truskett et al.	
			Group Art Unit	1775	
			Examiner Name	Turner, Archene A.	
Sheet	15	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	D305	SUNG et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication.", Elsevier Science B.V., July 1, 2003, Vol. 255, No. 7, pp. 808-818.		
	D306	TAJBAKHSH et al., "Three-Degree-of-Freedom Optic Mount for Extreme Ultraviolet.", American Society for Precision Engineering, January 1, 1998, pp. 359-362.		
	D307	TANIKAWA et al., "Development of Small-sized 3 DOF Finger Module in Micro Hand for Micro Manipulation.", Proc. of IEEE, March 1, 1999, Intl. conf. on Intelligent Robots and Systems, pp. 876-881.		
	D308	TOMITA et al., "A 6-axes Motion Control Method for Parallel-Linkage-Type Fine Motion Stage.", JSPE-58-04, pp. 118-124.		
	D309	Translation of Japanese Patent 02-24848, January 26, 1990.		
	D310	Translation of Japanese Patent 02-92603, April 3, 1990.		
	D311	TRILOGY SYSTEMS, "Linear Motors 310.", www.trilogysystems.com, January 1, 2001.		
	D312	US Application No. 10/375,817, Filed 02-27-2003, NGUYEN et al., "Method to Reduce Adhesion between a Polymerizable Layer and a Substrate Employing a Fluorine-Containing Layer."		NOT PUBLIC
	D313	US Application No. 10/463,396, Filed 06-17-2003, CHOI et al., "Method to Reduce Adhesion Between a Conformable Region and a Pattern of a Mold."		NOT PUBLIC
	D314	US Application No. 10/735,110, Filed 12-12-2003, NIMMAKAYALA et al., "Magnification Correction Employing Out-of-Plane Distortion of a Substrate."		NOT PUBLIC
	D315	US Application No. 10/785,248, Filed 02-24-2004, CHOI et al., "A Method to Control the Relative Position Between a Body and a Surface."		NOT PUBLIC

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/687,519	
			Filing Date	10/16/2003	
			First Named Inventor	Truskett et al.	
			Group Art Unit	1775	
			Examiner Name	Turner, Archene A.	
Sheet	16	of	16	Attorney Docket Number	P75-17-03

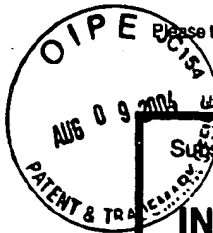
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	D316	US Application No. 10/788,700, Filed 02-27-2004, SREENIVASAN et al., "Full-Wafer or Large Area Imprinting with Multiple Separated Sub-Fields for High Throughput Lithography."	NOT PUBLIC
	D317	US Application No. 10/806,956, Filed 03-23-2003, CHOI et al., "An Apparatus to Control Displacement of a Body Spaced-Apart from a Surface."	NOT PUBLIC
	D318	US Applications No. 10/194,991, Filed 07-11-2002, SREENIVASAN et al., "Step and Repeat Lithography Processes."	NOT PUBLIC
	D319	US Applications No. 10/687,519, Filed 10-16-2003, NGUYEN et al., "Low Surfaced Energy Template."	NOT PUBLIC
hcl	D320	VANDERBILT UNIVERSITY OFFICE OF TRANSFER TECHNOLOGY; VU9730 Specifications for Improved Flexure Device; 2001, 25, 192-199.	
	D321	WANG et al., "Passive Compliance versus Active Compliance in Robot-Based Automated Assembly Systems.", Industrial Robot, January 1, 1998, Vol. 25, No. 1, pp. 48-57.	
v	D322	WILLIAMS et al., "Six Degree of Freedom Mag-Lev Stage Development.", SPIE, January 1, 1997, Vol. 3051, pp. 856-867.	
	D323	WILLSON et al., "Step and Flash Imprint Lithography", U.S. Patent Application 10/806,051, Filed with USPTO March 22, 2004.	NOT PUBLIC
hcl	D324	WU, "Large Area High Density Quantized Magnetic Disks Fabricated Using Nanoimprint Lithography.", J. Vac. Sci. Technol., November 1, 1998, B 16(6), pp. 3825-3829.	
	D325	XU et al., "Materials for Imprint Lithography," U.S. Patent Application 10/784,911, Filed with USPTO Feb. 23, 2004.	NOT PUBLIC
	D326	XU et al., "Methods for Fabricating Patterned Features Utilizing Imprint Lithography," U.S. Patent Application 10/694,284, Filed with USPTO Oct., 27, 2003.	NOT PUBLIC

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		Application Number	10/687,519		
		Filing Date	October 16, 2003		
		First Named Inventor	Truskett et al.		
		Group Art Unit	1762		
		Examiner Name	Unassigned		
Sheet	1	of	1	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B1	SOWAH. Diamond Used to Break the Mould [online], Sept. 18, 2002, [retrieved on Sept. 2, 2003]. Retrieved from the Internet: <URL: http://eetuk.com/showArticle.jhtml?articleID=19203691 >.	
	B2	Kim et al., "Surface Energy and Polarity of Treated Indium-Tin-Oxide Anodes for Polymer Light-Emitting Diodes Studied by Contact Angle Measurements," Journal of Applied Physics, 1999, pp. 2774-2778, Vol. 86, No. 5.	
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Sheet

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5

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Application Number	10/687,519
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Filing Date	10/16/2003
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First Named Inventor	Truskett et al.
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Group Art Unit	1762
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Examiner Name	Unassigned
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Attorney Docket Number	P75/MII-35-17-03
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,544,572		Sandvig et al.	10-01-1985	
	A2	4,731,155		Napoli et al.	03-15-1988	
	A3	4,959,252		Bonnebat et al.	09-25-1990	
	A4	5,206,983		Guckel et al.	05-04-1993	
	A5	5,259,926		Kuwabara et al..	11-09-1993	
	A6	5,425,848		Haisma et al.	06-20-1995	
	A7	5,480,047		Tanigawa et al.	01-02-1996	
	A8	5,512,131		Kumar et al.	04-30-1996	
	A9	5,725,788		Maracas et al.	03-10-1998	
	A10	5,772,905		Chou	06-30-1998	
	A11	5,776,748		Singhvi et al.	07-07-1998	
	A12	5,900,160		Whitesides et al.	05-04-1999	
	A13	5,948,470		Harrison et al.	09-07-1999	
	A14	6,039,897		Lochhead et al.	03-21-2000	
	A15	6,117,708		Wensel	09-12-2000	
	A16	6,128,085		Buermann et al.	10-03-2000	
	A17	6,143,412		Schueller et al.	11-07-2000	
	A18	6,168,845		Fontana, Jr. et al.	01-02-2001	
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	A20	6,218,316		Marsh	04-17-2001	
	A21	6,309,580		Chou	10-30-2001	
	A22	6,334,960		Willson et al.	01-01-2002	
	A23	6,355,198		Kim et al.	03-12-2002	
	A24	6,518,168		Clem et al.	02-11-2003	

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